

AM/Weather Radio Tuner **C2N-TAMWX**

The C2N-TAMWX was developed especially for fans of talk radio, news, sports, and weather to bring high-performance AM and Weather Band radio to the Crestron Home®. The C2N-TAMWX employs an innovative phase-selectable servo-tuned antenna system to achieve exceptional low-noise reception from distant broadcast stations in every direction. This unique design allows the optimal antenna configuration to be set automatically or manually on an independent basis for each station, and stored individually with each station preset.

Designed for attic installation, the C2N-TAMWX connects to a C2N-TFM FM Radio Tuner or C2N-TTVFM TV/FM Tuner positioned at the AV head end. Connecting the C2N-TAMWX to the head end requires just a single CAT5 cable with a permissible length of up to 500 feet.

Up to 10 favorite AM presets and 5 Weather Band presets can be saved onboard the C2N-TAMWX for instant recall. Complete scan and search capabilities are supported. Manual channel selection is also possible through standard incremental tuning or direct numeric entry. Channel frequency, signal strength, preset number and other information can be displayed on any 2-way touchpanel or XPanel computer control page. A headphone output is provided on the tuner's front panel along with user controls and LED display to facilitate local setup and control.

- ▶ High-performance AM and Weather Band radio
- ▶ Phase-selectable servo-tuned antenna system
- ▶ Achieves an optimal antenna configuration for each station
- ▶ Exceptional low-noise reception in every direction
- ▶ Mounts in the attic up to 500 feet from head end
- ▶ Requires a C2N-TFM or C2N-TTVFM Tuner
- ▶ Onboard memory for 10 AM and 5 WX presets

SPECIFICATIONS

AM Tuner

Frequency Range: 530 to 1710 kHz (9 or 10 kHz steps)
Sensitivity: 3.5 µV (RF input level 10dB S+N/N)
Selectivity: 10 kHz
Alternate Channel Selectivity: 55dB
Image Rejection: 35dB
IF Rejection: 60dB

Weather Tuner (NOAA)

Frequency Range: 162.4 to 162.55 kHz (25 kHz steps)
Sensitivity: 7 µV (RF input level 10dB S+N/N)



Connectors

AM ANT: (1) 2-pin 3.5mm detachable terminal block
 Connects to optional external AM antenna (not included)

WX ANT: (1) F-type coaxial
 Connects to external weather radio antenna (not included)

REMOTE: (1) 8-pin RJ45 female, shielded
 Connects to C2N-TFM or C2N-TTVFM via CAT5
 Maximum CAT5 length: 500 feet (152 meters)

Headphone: (1) 3.5mm mini TRS phone jack
 Mono headphone audio output

Display

(4) Red LED 7-segment digits; displays signal strength, antenna source, headphone volume level, and channel frequency

LED Indicators

PWR: (green) Indicates DC power supplied via REMOTE connector
COM: (yellow) Indicates communication with Cresnet system via C2N-TFM or C2N-TTVFM tuner

AM, WX: (red x2) Indicate the band selected

SIG, VOL: (red x2) Indicate the mode selected

Buttons

TUNE: (2) pushbuttons, adjust headphone volume level, channel selection, and antenna source

BAND: (1) pushbutton, cycles through available bands

MODE: (1) pushbutton, cycles through modes

Power Requirements

Cresnet Power Usage: 8 Watts (0.33 Amps @ 24 Volts DC)

Environmental

Temperature: -4° to 158°F (-20° to 70°C)

Humidity: 10% to 90% RH (non-condensing)

> continued

C2N-TAMWX AM/Weather Radio Tuner (continued)

Enclosure

Black metal base and plastic antenna housing
Designed for placement on a flat surface in attic or similar space

Dimensions

Height: 12.66 in (32.16 cm)

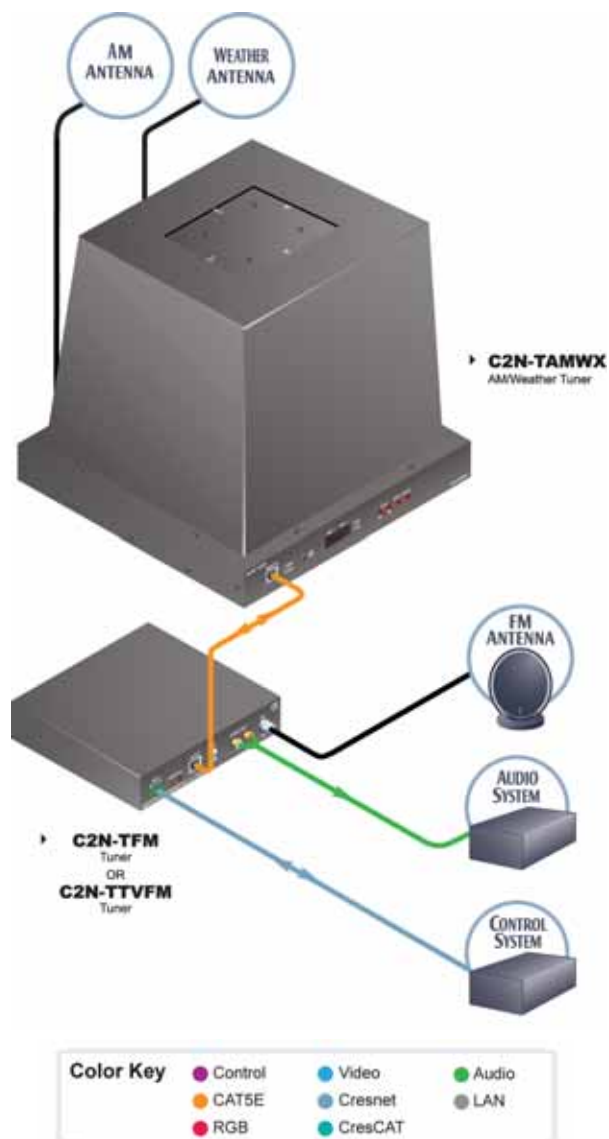
Width: 12.10 in (30.73 cm)

Depth: 12.40 in (31.50 cm)

Weight

7.00 lbs (3.20 kg)

Typical C2N-TAMWX Application



AVAILABLE ACCESSORIES

▶ **C2N-TFM**
FM Radio Tuner

▶ **C2N-TTVFM**
TV and FM Tuner